

Serial No.: 09/378,196

Attorney Docket No.: 99P7442US01

IN THE CLAIMS:

This listing of the claims will replace all prior versions and listings of the claims in the application:

1. (Currently Amended) A telecommunications system, comprising:
a packet switched network;
one or more telephony devices coupled to said packet switched network, said one or more telephony devices configured to communicate using one or more coding algorithms; and
a bandwidth allocation server configured to cause a renegotiation of which of said coding algorithms said one or more telephony devices communicates with while said one or more telephony devices are communicating using a predetermined coding algorithm;
wherein said bandwidth allocation server is adapted to transmit one or more renegotiation signals to one or more telephony devices involved in a communication a telephony device seeks to join and one or more telephony devices involved in another communication,
~~wherein a renegotiation is based on a modified demand, demand, a percentage of voice load allowed, and a percentage of calls expected to be activated. wherein said one or more renegotiation signals include one or more signals instructing one or more telephony devices to adjust a coding hierarchy.~~
2. (Original) A telecommunications system in accordance with claim 1, said packet switched network being H.323 compatible
3. (Previously Presented) A telecommunications system in accordance with claim 1, said bandwidth allocation server configured to initiate said re-negotiation if one or more existing connections have a quality of service (QoS) level which may be altered.
4. (Original) A telecommunications system in accordance with claim 1, said bandwidth allocation server configured to initiate said renegotiation if a level of data

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traffic exceeds a predetermined threshold.

5. (Currently Amended) A method for operating a telecommunication system, comprising:

monitoring network usage at a bandwidth allocation server, said monitoring including monitoring a plurality of conference calls; and

changing codec speed for said plurality of conference calls based on said monitoring network usage, responsive to signals from said bandwidth allocation server, ~~wherein said signals from said bandwidth allocation server include signals to adjust a coding hierarchy wherein said changing based on network usage is based on a determination of demand, modified demand, a percentage of voice load allowed, and a percentage of calls expected to be activated.~~

6. (Original) A method according to claim 5, including determining whether an existing connection has a lower quality of service (QoS) than another connection, and changing said codec speed for said existing connection responsive to said determining

7. (Previously Presented) A method according to claim 5, including determining whether data traffic on a monitored network has exceeded a predetermined threshold.

8. (Currently amended) A telecommunications device, comprising:
means for establishing a connection with another telecommunications device using a first coding algorithm; and
means for changing a communication over said connection from said first coding algorithm to a second coding algorithm, said changing means responsive to one or more signals from a bandwidth allocation server that monitors network conditions, said bandwidth allocation server adapted to transmit said signals to all active multimedia entities, said changing means including means for changing based on a determination of demand, modified demand, a percentage of voice load allowed, and a percentage of

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~~calls expected to be activated, said signals including instructions to adjust one or more coding hierarchies.~~

9-11 (canceled)

12. (Previously Presented) A telecommunications device according to claim 10, wherein said monitoring means monitors said network usage for actual and requested quality of service (QoS) levels.

13. (Original) A telecommunications device according to claim 12, wherein said changing means changes from said first coding algorithm to said second coding algorithm if said connection has a lower QoS than another connection.

14. (Currently Amended) A telecommunications system, comprising:
a packet switched network;

one or more telephony devices coupled to said packet switched network, said one or more telephony devices configured to communicate using one or more coding algorithms; and

a bandwidth allocation server configured to cause a renegotiation of which of said coding algorithms said one or more telephony devices communicates with while said one or more telephony devices are communicating using a predetermined coding algorithm;

wherein said bandwidth allocation server is adapted to transmit one or more renegotiation signals to one or more telephony devices involved in a communication a telephony device seeks to join and one or more telephony devices involved in another communication;

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wherein said bandwidth allocation server is configured to cause said renegotiation responsive to a modified demand threshold determination, ~~said wherein a modified demand being is~~ calculated substantially according to the following:

$MD = (D * VLA) / EA$, where MD is modified demand, D is demand ~~(available network bandwidth divided~~ calculated by dividing available network bandwidth by the number of idle users[]); VLA is percentage voice load allowed, and EA is percentage of calls expected to be activated.

15. (New) A telecommunications system in accordance with claim 1, wherein said renegotiation based on a demand, modified demand, percentage of voice load allowed, and percentage of calls expected to be activated is responsive to a modified threshold determination, wherein a modified demand is calculated substantially according to the following: $MD = (D * VLA) / EA$, where MD is modified demand, D is demand calculated by dividing available network bandwidth by the number of idle users; VLA is percentage voice load allowed, and EA is percentage of calls expected to be activated.

16. (New) A method in accordance with claim 5, wherein said changing is responsive to a modified threshold determination, wherein a modified demand is calculated substantially according to the following: $MD = (D * VLA) / EA$, where MD is modified demand, D is demand calculated by dividing available network bandwidth by the number of idle users; VLA is percentage voice load allowed, and EA is percentage of calls expected to be activated.

17 (New) A telecommunications device in accordance with claim 8, wherein said determination changing means is responsive to a modified threshold determination, wherein a modified demand is calculated substantially according to the following: $MD = (D * VLA) / EA$, where MD is modified demand, D is demand calculated by dividing available network bandwidth by the number of idle users; VLA is percentage voice load allowed, and EA is percentage of calls expected to be activated